

CURRICULUM VITAE

Claudia Helen Kawas, M.D.

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[REDACTED]

Current Position:

Professor of Neurology, Professor of Neurobiology and Behavior
University of California Irvine

Associate Director for Clinical Studies, Institute for Brain Aging and Dementia
University of California Irvine

Education:

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| 1974 | B.A. (Linguistics and Psychology) Honors | Swarthmore College Swarthmore, Pennsylvania |
| 1978 | M.D. | University of Louisville School of Medicine Louisville, Kentucky |

Postgraduate Training:

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| 1978 - 1980 | Internal Medicine Residency The Memorial Hospital, Worcester, Massachusetts |
| 1980 - 1982 | Neurology Residency Albert Einstein College of Medicine, Bronx, New York |
| 1982 - 1983 | Neurology Chief Resident Albert Einstein College of Medicine, Bronx, New York |
| 1983 - 1984 | Fellowship with Dr. Robert Katzman in Dementia and Aging Albert Einstein College of Medicine, Bronx, New York |

Professional Employment:

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| 1985 - 10/2000 | Associate Professor of Neurology The Johns Hopkins University School of Medicine |
| 1985 - 10/2000 | Clinical Director The Johns Hopkins University Alzheimer's Disease Research Center |
| 1983 - 1985 | Assistant Professor of Neurology Albert Einstein College of Medicine Bronx, New York |
| 1985 - 1994 | Assistant Professor of Neurology Johns Hopkins University School of Medicine, Baltimore, Maryland |
| 1986 - Present | Guest Investigator, Gerontology Research Center National Institute on Aging, Baltimore, Maryland |

1994 - Present Associate Professor of Neurology
The Johns Hopkins University School of Medicine, Baltimore, Maryland

Certification and Licensure:

Medical License for the State of Maryland
American Board of Psychiatry and Neurology

National and International Committees:

1991 - Present Geriatric Neurology Committee, American Academy of Neurology (AAN)

1991 - Present Education Subcommittee for Geriatric Neurology Training, AAN

1993 - Present Executive Committee of Neurology Research Group on Dementia
World Federation of Neurology

1994 - Present AAN Program Accreditation and Development Subcommittee

1995 - Present Member - Dana Brain Alliance

1995 - Present Board of Directors - American Federation for Aging Research

1995 - Present Medical and Scientific Advisory Board, Alzheimer's Association,
Baltimore/Central MD Chapter.

1996 - 1998 Scientific Program Advisory Committee, American Neurological Association,

Professional Societies:

American Neurological Association
Society of Neurosciences
American Academy of Neurology
American Geriatric Society
American Medical Association

Maryland Neurologic Society

Awards:

Leo M. Davidoff Award for Excellence in Teaching: 1983

Federal and NIH Committees:

11/94 NIH Ad Hoc Site Visitor: ADRC University of Washington (Seattle)

1993 - Present Chair, Internal Ethics Committee
Alzheimer's Disease Cooperative Study Unit/NIA

1996 - 2000 Member - Food and Drug Administration
Peripheral and Central Nervous System Advisory Committee

Consultancies:

University of Kentucky, "Independent and Dependent Life in the Elderly", Principal Investigator - Dr. [REDACTED], 1991 - Present

New York University Alzheimer's Disease Research Center, External Advisory Committee, Principal Investigator - [REDACTED], Ph.D., 1996 - Present

Albert Einstein College of Medicine, Studies in Aging and Dementia, External Advisory Committee, Principal Investigator - [REDACTED], M.D., 1996 - Present

NIH Training Grant Participation:

Training Grant in the Epidemiology and Biostatistics of Aging

Principal Investigator - Linda Fried, M.D., M.P.H., Johns Hopkins School of Public Health

Research and Training in Gerontology and Geriatrics, Principal Investigator - Jesse Roth, M.D.
The Johns Hopkins Geriatric Center

Research Training in the Dementias of Aging
Principal Investigator - Jason Brandt, Ph.D. (Psychiatry)
The Johns Hopkins University School of Medicine

Other Professional Activities:

Grant Reviewer: National Institute of Health
Department of Veteran Affairs
National Alzheimer's Association

1983 – 1985 Principal Neurologist - Gerontology Center
Albert Einstein College of Medicine, Bronx, New York
- Bronx Aging Study - NIH # P50AG-05146
- Teaching Nursing Home Award - NIH # P01AG-03494

1985 – 1989 Associate Director – The Johns Hopkins Sleep Disorder Center, Baltimore, Maryland

1985 – Present Director - Family Support Services for Alzheimer's Disease and Related Disorders
The Johns Hopkins Bayview Medical Center

1987 – Present Ethics Committee, The Johns Hopkins Bayview Medical Center

1991 – Present Ad hoc Reviewer:
Neurology
American Journal of Epidemiology
Archives of Neurology
Annals of Neurology
Dysphagia

1993 – Present Clinical Director, The Johns Hopkins Alzheimer's Disease Research Center (ADRC)
NIA and Alzheimer's Disease Cooperative Study Unit (ADCSU).

Post-Doctoral Trainees:

- 7/1/95 - 1/1/98 ██████████ M.D., Geriatric Neurology Research Fellow
Currently Instructor, Department of Neurology, ██████████
- 11/95 - 11/97 ██████████ M.D., Geriatric Medicine Fellow
Currently: Director of Geriatrics, ██████████
- 12/3 - 12/95 ██████████ Ph.D., Neuropsychology Research Fellow ADRC
Currently: Assistant Professor in Psychology, ██████████
- 12/93 - 12/95 ██████████ Ph.D., Neuropsychology Research Fellow ADRC
Currently: Staff Fellow, ██████████
- 11/95 - 12/95 ██████████ M.D., Guest Scientist
Currently: ██████████ Faculty in Psychiatry
- 8/93 - 7/94 ██████████ M.D., Geriatric Neurology Research Fellow
Currently Assistant Professor, Department of Neurology
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Pre-Doctoral Trainees:

- 1/97 - 1/98 ██████████ 4th year medical student
██████████
Currently: Intern/Neurology Resident ██████████
- 2/97 - 3/97 ██████████ Geriatric Neurology Clerkship
Currently: Mount Sinai Medical Student, New York
- 10/95 - 12/95 ██████████ Geriatric Neurology Clerkship
Currently: Mount Sinai Medical Student, New York
- 6/92 - 8/95 ██████████ Hartford Scholar in Geriatrics
Currently: Psychology Graduate School, Hahnemann University, PA
- 6/93 - 6/94 ██████████ Psychometrician
Currently: Psychology Graduate School, De Kalb, IL
- 10/93 - 9/94 ██████████ Psychometrician
Currently: Columbia School of Public Health, New York

Publications:

1. Grober E, Kawas C: The Breakdown of Word Meanings in Dementia. *Cortex* 20(4): 557-66, 1984.
2. Kawas C, Wolfson L: Normal Pressure Hydrocephalus. In: *Current Therapy in Neurologic Diseases*. Richard Johnson, ed., B.C. Decker, Inc., 1985.
3. Grober E, Buschke H, Kawas C, Fuld P: Impaired Ranking of Semantic Attributes in Dementia. *Brain and Language* 26: 276-286, 1986.

4. Katzman R, Kawas C: The Evolution of the Diagnosis of Dementia: Past, Present and Future. In: *Neurology*. Poeck K, Freund HJ, and Ganshirt H, eds., Springer-Verlag, Berlin, 1986.
5. Crystal H, Dickson D, Fuld P, Masur D, Scott R, Mehler M, Grober E, Masdeu J, Kawas C, Aronson M, Wolfson L: Clinico-pathological Studies in Dementia: Non-demented Subjects with Pathologically Confirmed Alzheimer's Disease. *Neurology* 38: 1682-1687, 1988.
6. Bleecker M, Bolla-Wilson K, Kawas C, Agnew J: Age Specific Norms for the Mini-Mental State Exam. *Neurology* 38(10): 1565-1568, 1988.
7. Agnew J, Bolla-Wilson K, Kawas C, Bleecker M: Perdue Pegboard Age and Sex Norms for People 40 Years Old and Older. *Developmental Neuropsychology* 4(1): 29-35, 1988.
8. Katzman R, Aronson M, Fuld P, Kawas C, Brown T, Morganstern H, Frischman W, Gidex L, Elder H, Ooi WL: Development of Dementing Illnesses in an 80 Year Old Volunteer Cohort. *Annals of Neurology* 25: 317-324, 1989.
9. Kaplan P, Waterbury L, Kawas C, Bolla-Wilson K, Durack D: Reversible Dementia with Idiopathic Hypereosinophilic Syndrome, *Neurology* 39(10): 1388-1391, 1989.
10. Kawas C: Early Clinical Diagnosis: Status of NINCDS-ADRDA Criteria. In: *Current Research in Alzheimer Therapy II: Early Diagnosis*. Becker R, and Giocobini E, eds. Taylor and Francis, New York City, 1990.
11. Kawas C: Treating the Untreatable Dementias. *Geriatric Medicine Today* 10(6): 39-42, June 1991.
12. Kittur SD, Hoh JH, Kawas CH, Hayward GS, Endo H, Adler WH: A Molecular Hybridization Study for the Presence of Herpes Simplex, Cytomegalovirus and Epstein-Barr Virus in Brain and Blood of Alzheimer's Disease Patients. *Arch. Gerontol. Geriatric*. 15:35-41, March 1992.
13. Davis K, Thal L, Gamzu E, Davis C, Woolson R, Gracon S, Drachman D, Schneider L, Whitehouse P, Hoover T, Morris J, Kawas C, Knopman D, Earl N, Kumar V, Doody R, and the Tacrine Collaborative Study Group: A Double-Blind, Placebo-Controlled Multicenter Study of Tacrine for Alzheimer's Disease. *The New England Journal of Medicine*. Vol 327, No 18, 1253-1259, 1992.
14. Finucane TE, Beamer BA, Roca RP, Kawas CH: Establishing Advanced Medical Directives with Demented Patients: A Pilot Study. *Journal of Clinical Ethics*, Vol 4, Number 1, 1993.
15. Weingartner H, Kawas C, Rawlings R, Shapiro M: Changes in Semantic Memory in Early Stage Alzheimer's Disease Patients. *The Gerontologist*, Vol 33, Number 5, 637-643, 1993.
16. Kawas C: Evaluation of Cognition in the Elderly Rehabilitation Patient. In: *Rehabilitation of the Aging and Elderly Patient*. Felsenthal G, Garrison S, Steinber F, eds., Williams and Wilkins, Baltimore 1993.

17. Katzman R, Kawas C: The Epidemiology of Dementia and Alzheimer's Disease. In: Alzheimer's Disease, Senile Dementia and Related Disorders, Terry R, Katzman R, Bick K, eds., Raven Press, New York 1994.
18. Kawas C, Segal J, Stewart W, Corrada M, Thal L: Validation of an Informant Questionnaire for Determination of Dementia. *Archives of Neurology*, Vol 51, Number 9, 901-906, 1994.
19. Rich J.B., Rasmusson D.X., Folstein M.F., Carson K.A., Kawas C.H., Brandt J.: Nonsteroidal Anti-inflammatory Drugs in Alzheimer's Disease. *Neurology*, Vol 45, 51-55, 1995.
20. Zonderman A, Giambra L, Kawas C, Arenberg D, Costa P: Changes in Immediate Visual Memory Predict Cognitive Impairment. *Archives of Clinical Neuropsychology*, Vol 10, Number 2, 111-123, 1995.
21. Giambra L, Arenberg D, Zonderman A, Kawas C, Costa P: Adult Lifespan Changes in Immediate Visual Memory and Verbal Intelligence. *Psychology and Aging*. Vol 10, No 1, 123-139, 1995.
22. Resnick S, Trotman K, Kawas C, Zonderman A: Age-Associated Changes in Specific Errors on the Benton Visual Retention Test. *Journal of Gerontology: Psychological Sciences*. Vol 50B, No 3, P171-P178, 1995.
23. Dal Forno G, Kawas C: Cognitive Problems in the Elderly, Current Opinion in Neurology. *Current Science*, 8:256-261, 1995.
24. Corrada M, Brookmeyer R, Kawas C: Sources of Variability in Prevalence Rates of Alzheimer's Disease. *International Journal of Epidemiology*. Vol. 24, No.5, 1000-1005, 1995.
25. Kawas C, Karagiozis H, Resau L, Corrada M, Brookmeyer R: Reliability of the Blessed Telephone Information-Memory-Concentration (TIMC) Test. *Journal of Geriatric Psychiatry and Neurology*. Vol. 8, 238-242, 1995.
26. Behan D, Heinrichs S, Troncoso J, Kawas C, Xin-Juan L, Ling N, De Souza E: Displacement of Corticotropin Releasing Factor Protein as a Possible Treatment for Alzheimer's Disease. *Nature*. Vol 378, 1995.
27. Dal Forno G, Rasmusson D, Brandt J, Carson K, Brookmeyer R, Troncoso J, Kawas C: Apolipoprotein E Genotype and Rate of Decline in Probable Alzheimer's Disease. *Archives of Neurology*. Vol. 53, 345-350, 1996.
28. Troncoso J, Kawas C, Chang C, Folstein M, Hedreen J: Lack of association of the apoE4 allele with hippocampal sclerosis dementia. *Neuroscience Letters*. 204, 138-140, 1996.
29. Troncoso J, Martin L, Dal Forno G, Kawas C: Neuropathology in Controls and Demented Subjects from the Baltimore Longitudinal Study of Aging. *Neurobiology of Aging*. Vol. 17, No. 3, 365-371, 1996.

30. Rasmusson D, Carson K, Brookmeyer R, Kawas C, Brandt J: Predicting Rate of Decline in Probable Alzheimer's Disease. *Brain and Cognition*. 31, 133-147, 1996.
31. Troncoso J, Renat R, Sukhov R, Kawas C, Koliatsos V: *IN SITU* Labeling of Dying Cortical Neurons in Normal Aging and in Alzheimer's Disease: Correlations with Senile Plaques and Disease Progression. *Neuropathology and Experimental Neurology*. Vol 55, No 11 1134-1142, November 1996.
32. Kawas C, Morrison A: Alzheimer's Disease and other Dementias. In: Current Therapy in Neurological Disease-5, R.T. Johnson and J.W. Griffin (Ed.) Johns Hopkins University Press. Mosby. 303-306, 1997.
33. Stewart W, Kawas C, Corrada M, Metter J: Risk of Alzheimer's Disease and Duration of NSAIDs Use. *Neurology*. Vol 48, No 3, 626-632, 1997.
34. Grober E, Kawas C: Learning and Retention in Preclinical and Early Alzheimer's Disease. *Psychology and Aging*. Vol. 12, No. 1, 183-188, 1997.
35. Kawas C, Morrison A: Alzheimer's Disease and other Dementias. In: Current Therapy in Internal Medicine-4, J.P. Kassirer and H.L. Greene II (Ed.), Mosby-Year Book. 1997.
36. Kawas C, Resnick S, Morrison A, Brookmeyer R, Corrada M, Zonderman A, Baccall C, Lingle D, Metter J: A Prospective Study of Estrogen Replacement Therapy and the Risk of Developing Alzheimer's Disease: The Baltimore Longitudinal Study of Aging. *Neurology*. Vol. 48, No. 6, 1517-1521, 1997.
37. La Ferla, Troncoso J, Strickland D, Kawas C, Jay G: Neuronal Cell Death in Alzheimer's Disease Correlates with apoE Uptake and Intracellular A β Stabilization. *Journal of Clinical Investigations*, Vol 100, Number 2, 310-320, July 1997.
38. Karagiozis H, Gray S, Sacco J, Shapiro M, Kawas, C: The Direct Assessment of Functional Abilities (DAFA): An Objective Measure of Instrumental Activities of Daily Living. *The Gerontologist*, Vol 38, No 1, 113-121, 1998.
39. Ellis R, Jan K, Kawas C, Koller W, Lyons K, Jeste D, Hansen L, Thal L: Diagnostic Validity of the Dementia Questionnaire for Alzheimer Disease. *Archives of Neurology*, Vol 55, 360-365, 1998.
40. Troncoso J, Cataldo A, Nixon R, Barnett J, Lee M, Checler F, Fowler D, Smialek J, Crain B, Martin L, Kawas C: Neuropathology of Preclinical and Clinical Late-onset Alzheimer's Disease. *Annals of Neurology*, Vol 43, No 5, 673-676, 1998.
41. Price D, Sisodia S, Kawas C, Borchelt D, Wong P, Lee M, Thinakaran G, Troncoso J: Animal Models of Alzheimer's Disease. In: Textbook of Psychopharmacology, Chapter 7, Schatzberg A, Nemeroff C (eds), American Psychiatric Press Inc., 1998.

42. Katzman R, Kawas C: Risk Factors for Alzheimer's Disease. *Neuroscience News*, Vol 1 No 4, 27-34, 1998.
43. Brookmeyer R, Gray S, Kawas C: Projections of Alzheimer's Disease in the United States and the Public Health Impact of Delaying Disease Onset. *American Journal of Public Health*, Vol 88, 1337-1342, 1998.
44. Bolla K, Gray S, Galante R, Kawas C: Category and Letter 'Cowat' Norms for Highly Educated Older Adults. *The Clinical Neuropsychologist*, 12(3): 330-338, 1998.
45. Dal Forno G, Maki P, Kawas C: Alzheimer's Disease in Women and the Role of Estrogens. In: Neurological Disease in Women, A Comprehensive Textbook, Peter Kaplan (Ed), Demos Vermande Publishers. Chapter 12, 161-170, 1998.
46. Rasmusson, D.X., Zonderman, A.B., Kawas, C., Resnick, S.M. Effects of age and dementia on the Trail Making Test. *The Clinical Neuropsychologist*, 12, 169-178, 1998.
47. Carlson M, Brandt J, Carson K, Kawas C: Lack of Relation Between Race and Cognitive Test Performance in Alzheimer's Disease. *Neurology*; 50:1499-1501, 1998.
48. Kawas C: Alzheimer's Disease. In: Principles of Geriatric Medicine and Gerontology Fourth Edition, Chapter 95, Hazzard W, Blass J, Ettinger W, Halter J, Ouslander J (eds), McGraw Hill, 1257-1270, 1999.
49. Kawas C, Zabar Y: Epidemiology and Clinical Genetics of Alzheimer's Disease. In: Neurodegenerative Dementias, Chapter 5, Trojanowski J, Clark C (eds), (In press).
50. Price D, Markowska A, Koliatsos V, Frick K, Borchelt D, Martin L, Kawas C, Sisodia S: Age-Associated Impairments in Cognition and Memory: Aging, Alzheimer's Disease, and Animal Models. In: Neurobiological Foundations of Mental Illness, New York, Oxford University Press, (In press).
51. Price D, Sisodia S, Kawas C: Aging of the Brain and Alzheimer's Disease. In: Encyclopedia of Neuroscience, Adelman G and Smith BH (eds), Amsterdam, Elsevier Science B.V., (In press).
52. Kawas C, Katzman R,: The Epidemiology of Dementia and Alzheimer's Disease. In: Alzheimer's Disease, Senile Dementia and Related Disorders, Terry R, Katzman R, Bick K, eds., Raven Press, New York. (In press).
53. Sacktor N., Gray S, Kawas C, Herbst J, Costa P and Fleg J: Systolic Blood Pressure Within an Intermediate Range May Reduce Memory Loss in Older Treated Hypertensives. *Archives of Neurology*. (In press).
54. Kawas C, Clark C, Farlow M, Knopman D, Marson D, Morris J, Thal L, Whitehouse P. Clinical Trials in Alzheimer's Disease: The Debate on the Use of Placebo Controls. *Alzheimer Disease and Associated Disorders*. (In press).
55. Kawas C, Corrada M, Costa P, Head Injury and the Risk of Developing Alzheimer's

Disease. (In preparation).

56. Kawas C, Corrada M, Martin L, Resnick S, Zonderman A, Arenberg D, Costa P, Troncoso J: Visual Memory Differences 20 Years Before Death: A Study of Men with Autopsy - Confirmed Diagnoses of Normal Cognition. (In preparation).

Abstracts

- A1. Kawas C, Katzman R, Aronson M, Fuld P: Prospective Study of the Development of Multi-infarct Dementia. *Neurology* 35(Suppl. 1): 265, 1985.
- A2. Grober E, Kawas C: Early Identification of Malignant Memory Changes in Dementia. *Presented to International Congress of Gerontology, July, 1985.*
- A3. Kawas C, Katzman R: Prospective Use of the Hachinski Ischemic Score. *Neurology* 37(3): (Suppl.1), 1987.
- A4. Bolla-Wilson K, Bleecker M, Kawas C: Neuropsychological Findings in Dialysis Encephalopathy. *Neurology* 37(3): (Suppl. 1), 1987.
- A5. Kawas C, Fozard J: Baltimore Longitudinal Study of Aging- NIA. *Presented to Gerontological Society of America, November 20, 1989.*
- A6. Giambra LM, Weingartner HJ, Kawas CH, Arenberg D, Costa PT, Friz J, Metter EJ, Zonderman AB: Are Memory Changes a Necessary Consequence of Aging? *Presented to Psychonomics Society Annual Convention, November 23, 1991.*
- A7. Kawas C, Segal J, Thal L: Validation of an Informant Questionnaire for Determination of Dementia: *Journal of the American Geriatric Society, Chicago, 39(8): 1991.*
- A8. Giambra L, Zonderman AB, Kawas CH, Arenberg D, Weingartner H, Costa PT: Longitudinal Changes in Immediate Visual Memory as Predictors of Subsequent Mental Status. *Presented to the 4th Cognitive Aging Conference, Atlanta, Georgia, April 9, 1992.*
- A9. Karagiozis H, Kawas C: Telephone Screening for Cognitive Change Using the Blessed IMC Test. *Neurology* 42(4): (Suppl 3), 1992.
- A10. Kawas C, Troncoso J, Martin L: Paucity of Senile Plaques and Neurofibrillary Tangles in the Neocortex of Non-demented Individuals. *Neurology* 42 (4), (Suppl. 3), 1992.
- A11. Troncoso JC, Martin LJ, Gorman LK, Kawas CH: Morphological and Neurochemical Observations on the Neocortices of Elderly Nondemented Individuals. *Annual Meeting - Neuropathological Society Meeting, St. Louis MO, June, 1992.*
- A12. Morrison A, Kawas C: Telephone Screening for Dementia Using the Blessed IMC Test. *Neurology* 43(4) Suppl 2, April 1993.
- A13. Kawas C, Corrada-Bravo M, Metter J, Resnick S: Neuropsychological differences 20 years before death in subjects with and without Alzheimer's Pathology. *Neurology* 44(4) Suppl 2, May 1994.

- A14. Corrada-Bravo M, Brookmeyer R, Kawas C: Sources of variability in prevalence rates of Alzheimer's Disease. *Neurology* 44(4) Suppl 2, May 1994.
- A15. Hubble J, Glatt S, Cao T, Koller W, Tanner, C, Kawas C: Telephone Screening for Parkinsonism and Dementia. *Movement Disorders* 9(4), October 1994.
- A16. Resau L, Karagiozis H, Corrada M, Brookmeyer R, Kawas C: Reliability of the Blessed Telephone Information-Memory-Concentration (TIMC) Test. *American Neurological Association Annual Meeting*, October 1994.
- A17. Vazanna A, Bylsma FW, Kawas C: Performance of Normal Elderly Persons on the Rey-Osterrieth Complex Figure Test (CFT). *International Neuropsychological Society Meeting*, Seattle, Washington 1995.
- A18. Corrada M, Stewart W, Morrison A, Resnick S, Kawas C: Prediction of AD by Visual Memory Changes a Decade Before Clinical Onset of Memory Loss. *Neurology* 45(4) Suppl 4, April 1995.
- A19. Dal Forno G, Corrada M, Resnick S, Kawas C: Prediction of the Risk of Dementia in Clinically Normal Subjects. *Neurology* 45(4) Suppl 4, April 1995.
- A20. Grober E, Kawas C: Learning and Retention in Very Early AD. *International Neuropsychological Society*. Presented February 14, 1996.
- A21. Corrada M, Stewart W, Kawas C: Nonsteroidal Anti-inflammatory Drugs and the Risk of Alzheimer's Disease. *Neurology* 46(2) Suppl 1, March 28, 1996.
- A22. Morrison A, Resnick S, Corrada M, Zonderman A, Kawas C: A Prospective Study of Estrogen Replacement Therapy and the Risk of Developing Alzheimer's Disease in the BLSA. *Neurology* 46(2) Suppl 1, March 28, 1996.
- A23. Zabar Y, Corrada M, Fozard J, Costa P, Kawas C: Does Frequent Participation in Cognitively Demanding Leisure Activities Reduce the Risk of Developing Dementia? *Neurology* 46(2) Suppl 1, March 28, 1996.
- A24. Kuttner C, Kawas C, Muller D, Andres R, Roth J: Glucose Metabolism and Body Mass Index in Subjects Prior to the Development of Alzheimer's Disease., Presented at *The American Geriatric Society* meeting May 3, 1996.
- A25. Karagiozis H, Sacco J, Shapiro M, Gray S, Kawas C: The Direct Assessment of Functional Abilities (DAFA): An Objective Measure of Instrumental Activities of Daily Living. Presented at *The Gerontological Society of America Meeting* November 1996.
- A26. Rasmusson D, Carson K, Brookmeyer R, Kawas C, Brandt J: Predicting Rate of Cognitive Decline in Probable Alzheimer's Disease with the Random Effects Regression Model. *International Neuropsychological Society*. Vol 1, No. 1, p 13, 1996.
- A27. Corrada M, Costa P, Kawas C: Head Injury and the Risk of Developing Alzheimer's Disease. *Neurology* 48 (3) Suppl 2, March 1997.

- A28. Sacktor N, Gray S, Kawas C, Fleg J, Costa P: Elevated Systolic Blood Pressure is Associated with Memory Decline in an Elderly Hypertensive Cohort. *Neurology* 48 (3) Suppl 2, March 1997.
- A29. Kuttner-Sands C, Carson K, Kawas C: Predictors Of Weight Change In Alzheimer's Disease. *JAGS*, Vol 45, No. 9, S51, 1997.
- A30. Troncoso J, Cataldo A, Barnett J, Nixon R, Lee M, Crain B, Kawas C: Early Neuropathological Lesions in Late-Onset Alzheimer's Disease. *Annals of Neurology* Vol 42, No. 3, M15, 1997.
- A31. Dal Forno G, Carson K, Troncoso J, Kawas C: Apolipoprotein-E Genotype and Survival in Alzheimer's Disease (AD). *Annals of Neurology* Vol 42, No. 3, M33, 1997.
- A32. Chen C, Muller D, Andres R, Hallfrisch J, Costa P, Kawas C: A Prospective Study of Plasma Levels of Alpha-Tocopherol, Beta-Carotene, and Ascorbic Acid and Risk of Alzheimer's Disease in the Baltimore Longitudinal Study of Aging (BLSA/NIA). *Neurology* Vol 50, No. 4, A231, 1998.
- A33. Zabar Y, Carson K, Troncoso J, Kawas C, Dementia due to Hippocampal Sclerosis: Clinical Features and Comparison to Alzheimer's Disease. *Neurology* Vol 50, No. 4, A59, 1998.
- A34. Chen C, Muller D, Hallfrisch J, Andres R, Costa P, Kawas C, Dietary Fats and Plasma Lipids in the Risk of AD in the Baltimore Longitudinal Study of Aging (BLSA/NIA). *American Geriatric Society*. Presented at the American Geriatric Society Meeting in Seattle, May 8, 1998.